



>>Entry Name: *N,N*-Bis(2-chloroethyl)aniline

Synonym(s): *N,N*-Bis(2-chloroethyl)benzenamine, 9Cl. *N,N*-Di(2-chloroethyl)aniline, 8Cl. Aniline mustard

CAS Registry Number: 553-27-5

PhN(CH2CH2Cl)2

Molecular Formula: $C_{10}H_{13}Cl_2N$

Molecular Weight: 218.125

Accurate Mass: 217.042503

Percentage Composition: C 55.06%; H 6.01%; Cl 32.51%; N 6.42%

Melting Point: Mp 45-47°

Boiling Point: Bp₁₄ 164°

Hazard & Toxicity: LD₅₀ (rat, orl) 239 mg/kg

Rare Chemicals Library: S55675-0

>>Derivative: Hydrochloride

Melting Point: Mp 93-95°

>>Derivative: Picrate

Melting Point: Mp 81-82°

References:

Robinson, R. *et al.*, *J.C.S.*, 1934, 1536, (*synth*)

Elderfield, R.C. *et al.*, *J.O.C.*, 1958, **23**, 1749, (*synth*)

Cohen, A. *et al.*, *J. Med. Chem.*, 1963, **6**, 822, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AOQ875